

Please amend the application as follows:

In the Claims

Please amend Claims 1, 2, 13 and 26 as follows:

1. (Twice amended) A method for producing a recombinant retroviral particle, said particle comprising a DNA sequence encoding SDI-1, a functional analogue, or a fragment thereof wherein the SDI-1 or functional fragment or functional analogue thereof inhibits cell proliferation, comprising stably transfecting a producer cell with a retroviral vector comprising the DNA sequence, said producer cell additionally harboring at least one DNA construct coding for proteins required for said retroviral vector to be packaged.
2. (Amended) The method of Claim 1 wherein the retroviral vector [carries] comprises a DNA sequence encoding SDI-1.
13. (Twice amended) A producer cell stably transfected with a retroviral vector comprising a DNA sequence encoding ~~SDI-1~~, a functional analogue thereof, or a fragment thereof, wherein the SDI-1 or functional fragment or functional analogue thereof inhibits cell proliferation, said producer cell additionally harboring at least one DNA construct coding for the proteins required for said retroviral vector to be packaged.
26. (Twice amended) A method for introducing DNA sequences encoding SDI-1, a functional analogue, or a fragment thereof, into human cells in vitro [or in vivo] comprising infecting a target cell population with a retroviral particle produced by the producer cell line of Claim 13.

Please add the following claims:

- ~~---33. A method for producing a recombinant retroviral particle, said particle comprising a DNA sequence encoding SDI-1, wherein the SDI-1 inhibits cell proliferation, comprising stably transfecting a producer cell with a retroviral vector comprising the DNA sequence, said producer cell additionally harboring at least one DNA construct coding for proteins required for said retroviral vector to be packaged.~~
34. The method of Claim 33 wherein the retroviral vector comprises a DNA sequence encoding SDI-1.
35. The method of Claim 33, wherein the retroviral vector comprises a 5' LTR region of the structure U3-R-U5; one or more sequences selected from coding and noncoding sequences; and a 3' LTR region comprising a completely or partially deleted U3 region wherein said deleted U3 region is replaced by a polylinker sequence containing a regulatory element or a promoter, followed by the U5 and R region, characterized in that at least one of the coding sequences is a DNA sequence encoding SDI-1, a functional analogue thereof, or a fragment thereof, said sequence being under transcriptional control of said regulatory element or promoter.
36. The method of Claim 33 wherein the DNA sequence encoding SDI-1 is under transcriptional control of a target cell specific regulatory element or a target cell specific promoter or an X-ray inducible promoter.
37. The method of Claim 36 wherein the target cell specific regulatory element is selected from the WAP and MMTV regulatory elements.
38. The method of Claim 37 wherein the retroviral vector is pLXS-SDI1.

39. A producer cell stably transfected with a retroviral vector comprising a DNA sequence encoding SDI-1 wherein the SDI-1 inhibits cell proliferation, said producer cell additionally harboring at least one DNA construct coding for the proteins required for said retroviral vector to be packaged.
40. The producer cell of Claim 39 which is of human origin.
41. A capsule which encapsulates the producer cell of Claim 39, said capsule comprising a porous capsule wall being permeable to the retroviral particles produced by said producer cell.
42. The capsule of Claim 41 wherein said porous capsule wall comprises a polyelectrolyte complex formed from counter charged polyelectrolytes.
43. A method for introducing DNA sequences encoding SDI-1 into human cells in vitro comprising infecting a target cell population with a retroviral particle produced by the producer cell line of Claim 39.
44. A method for producing a recombinant retroviral particle, said particle comprising a DNA sequence which codes for amino acids 1 to 71 of human SDI-1 and inhibits cell proliferation, comprising stably transfecting a producer cell with a retroviral vector comprising the DNA sequence, said producer cell additionally harboring at least one DNA construct coding for proteins required for said retroviral vector to be packaged.
45. A producer cell stably transfected with a retroviral vector comprising a DNA sequence which codes for amino acids 1 to 71 of human SDI-1 and inhibits cell proliferation, said producer cell additionally harboring at least one DNA construct coding for the proteins required for said retroviral vector to be packaged.

46. A capsule which encapsulates the producer cell of Claim 44, said capsule comprising a porous capsule wall being permeable to the retroviral particles produced by said producer cell.
47. The capsule of Claim 46 wherein said porous capsule wall comprises a polyelectrolyte complex formed from counter charged polyelectrolytes.
48. A method for introducing DNA sequences encoding SDI-1 into human cells in vitro comprising infecting a target cell population with a retroviral particle produced by the producer cell line of Claim 45.
- ~~49. A method for producing a recombinant retroviral particle, said particle comprising a DNA sequence which codes for amino acids 42 to 58 of human SDI-1 and inhibits cell proliferation, comprising stably transfecting a producer cell with a retroviral vector comprising the DNA sequence, said producer cell additionally harboring at least one DNA construct coding for proteins required for said retroviral vector to be packaged.~~
50. A producer cell stably transfected with a retroviral vector comprising a DNA sequence which codes for amino acids 42 to 58 of human SDI-1 and inhibits cell proliferation, said producer cell additionally harboring at least one DNA construct coding for the proteins required for said retroviral vector to be packaged.
51. A capsule which encapsulates the producer cell of Claim 50, said capsule comprising a porous capsule wall being permeable to the retroviral particles produced by said producer cell.
52. The capsule of Claim 51 wherein said porous capsule wall comprises a polyelectrolyte complex formed from counter charged polyelectrolytes.